



INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 031052	Serial No. 10/655,020
	Applicant(s): HIWATA, Akira, et al.	
	Filing Date: September 5, 2003	Group Art Unit: 3744

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
FZ	AA 2001/0025509 A1	Fujii et al.	10/04/01	62	467	01/24/01
	AB					
	AC					
	AD					
	AE					

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Translation (Yes or No)
FZ	AF 1 046 869 A1	10/25/00	Europe	Yes
FZ	AG 02/18848 A1	03/07/02	WO	Yes
	AH			
	AI			
	AJ			

OTHER DOCUMENTS

FZ	AK	Patent Abstracts of Japan 09250830, 09/22/97.
FZ	AL	Patent Abstracts of Japan 2000161805, 06/16/00.
FZ	AM	Patent Abstracts of Japan 2000234814, 08/29/00.
FZ	AN	Patent Abstracts of Japan 2001235246, 08/31/01.
FZ	AO	Patent Abstracts of Japan 2002022298, 01/23/02.
FZ	AP	European Search Report dated 02/06/04.
Examiner	Philip Zec	Date Considered 7/28/2005

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PE	AA 2001/0025509	Fujii et al.	10/04/2001	62	467	
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✓	AE	0 837 291	04/22/1998	Europe	Yes
✓	AF	0 672 877	09/20/1995	Europe	Yes
✓	AG	1 022 521	07/26/2000	Europe	Yes
✓	AH	02/18848	03/07/2002	PCT	Yes
✓	AI	59-69661	04/19/1984	Japan	No
✓	AJ	61-96370	05/15/1986	Japan	No
✓	AK	2002-022298	01/23/2002	Japan	Abstract
✓	AL	2000-161805	06/16/2000	Japan	Abstract
✓	AM	2000-234814	08/29/2000	Japan	Abstract
✓	AN	09-250830	09/22/1997	Japan	Abstract
✓	AO	2001-235246	08/31/2001	Japan	Abstract
✓	AP	2001-041598	02/16/2001	Japan	Abstract
✓	AQ	08-136073	05/31/1996	Japan	Abstract
✓	AR	2003-074999	03/12/2003	Japan	Abstract

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✓	AS	Copy of European Patent Office Communication including European Search Report for corresponding European Patent Application No. 03019272 dated May 14, 2004.
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+	BA					
+	BB					
+	BC					

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F2	BD	2003-121015 /	04/23/2003	Japan	Abstract
F2	BE	2003-172244 /	06/20/2003	Japan	Abstract
F2	BF	2003-139429 /	05/14/2003	Japan	Abstract
+	BG				
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+	BJ				
+	BK				
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+	BP				
+	BQ				
+	BR				

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+	BS		
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	AA					
	AB					
	AC					
	AD					
	AE					

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	Document No.	Date	Country	Translation (Yes or No)
	AF 2001-116371	01/27/01	Japan	Relevant Portion and Abstract
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	AH			
	AI			
	AJ			

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